

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.01.2025

Version number 2 (replaces version 1)

Revision: 21.05.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** TYTAN PROFESSIONAL WINS Adhesive for EPDM
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Construction chemicals
- **Application of the substance / the mixture** Assembly adhesive
- **Uses advised against** Uses other than those recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Tytan Professional
Selena FM S.A.
ul. Legnicka 48 A 54-202 Wrocław, Poland
tel.: +48 71 78 38 290
e-mail: office@selena.com
www.selena.com
BDO: 000136566
- **Further information obtainable from:** msds@selena.com
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable
- **Additional information:**
EUH208 Contains trimethoxyvinylsilane. May produce an allergic reaction.
Keep out of the reach of children
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Adhesive based on hybrid-polymer.

• **Dangerous components:**

EC number: 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics Asp. Tox. 1, H304	<4,000%
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CAS: 2768-02-7
EINECS: 220-449-8
Reg.nr.: 01-2119513215-52-XXXX

trimethoxyvinylsilane

⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Sens. 1B, H317

<1,000%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Remove soiled clothing. After contact with skin, rinse with plenty of water.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.

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Protect from moisture.

Avoid contact with respiratory system, skin and eyes. See also section 8.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Store in a cool, dry place at room temperature.

· **Information about storage in one common storage facility:** Store away from oxidizers.

· **Further information about storage conditions:**

Protect from frost.

Protect from humidity and water.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 28553-12-0 diisononyl phthalate

OEL (Ireland) Long-term value: 5 mg/m³

· **Regulatory information** OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

· **DNELs**

CAS: 2768-02-7 trimethoxyvinylsilane

Oral	DNEL	0.1 mg/kg/Tag (General population, consumers)
Dermal	DNEL	0.1 mg/kg/Tag (General population, consumers)
		0.2 mg/kg/Tag (Workers)
Inhalative	DNEL	0.7 mg/m ³ (General population, consumers)
		2.6 mg/m ³ (Workers)

· **PNECs**

CAS: 2768-02-7 trimethoxyvinylsilane

(freshwater)	0.36 mg/l (Aquatic Organisms)
(sea water)	0.036 mg/l (Aquatic Organisms)
(freshwater sediments)	1.3 mg/kg (Aquatic Organisms)
(sea water sediments)	0.13 mg/kg (Aquatic Organisms)
(soil)	0.055 mg/kg (Terrestrial Organism)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required.

· **Hand protection**

EN 374

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Polyethylene gloves.

Recommended thickness of the material: ≥ 0.02 mm.

· **Penetration time of glove material**

Short-term contact ≥ 10 min (EN 374)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Not required.

· **Body protection:**



Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Solid

· **Colour:**

Black

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined

· **Melting point/freezing point:**

Not determined

· **Boiling point or initial boiling point and boiling range**

Not determined

· **Flammability**

Not determined

· **Lower and upper explosion limit**

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Auto-ignition temperature:**

Not applicable

· **Decomposition temperature:**

Not determined

· **pH**

Not applicable

· **Viscosity:**

· **Kinematic viscosity**

Not applicable

· **Dynamic:**

Not applicable

· **Solubility**

· **water:**

Insoluble

· **Partition coefficient n-octanol/water (log value)** Not determined

· **Vapour pressure:**

Not applicable

· **Density and/or relative density**

· **Density:**

1.7 ± 0.05 g/cm³

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- **Relative density** Not determined
 - **Vapour density** Not applicable
 - **Relative gas density** Not determined.
 - **Particle characteristics** See section 3.
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- **9.2 Other information**
 - **Appearance:**
 - **Form:** Paste
 - **Important information on protection of health and environment, and on safety.**
 - **Ignition temperature:** Product is not selfigniting
 - **Explosive properties:** Product does not present an explosion hazard
 - **Change in condition**
 - **Evaporation rate** Not applicable
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- **Information with regard to physical hazard classes**
 - **Explosives** Not applicable
 - **Flammable gases** Not applicable
 - **Aerosols** Not applicable
 - **Oxidising gases** Not applicable
 - **Gases under pressure** Not applicable
 - **Flammable liquids** Not applicable
 - **Flammable solids** Not applicable
 - **Self-reactive substances and mixtures** Not applicable
 - **Pyrophoric liquids** Not applicable
 - **Pyrophoric solids** Not applicable
 - **Self-heating substances and mixtures** Not applicable
 - **Substances and mixtures, which emit flammable gases in contact with water** Not applicable
 - **Oxidising liquids** Not applicable
 - **Oxidising solids** Not applicable
 - **Organic peroxides** Not applicable
 - **Corrosive to metals** Not applicable
 - **Desensitised explosives** Not applicable

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
No hazardous reactions if the regulations / notes for storage and handling of the product will be respected.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Water.
Avoid contact with other chemicals.

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):** No data available.
- **Subacute to chronic toxicity:** No data available.
- **Additional toxicological information:**
- **Sensitisation** No data available.
- **Repeated dose toxicity** No data available.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No data available.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No data.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Do not allow to enter surface or ground water.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Assigning a code from the waste catalogue depends on the sector, in which the user operates, as well as on arrangements made between the waste generator and a competent environment protection department.

Dispose of in a safe manner in accordance with local / national regulations.

· **European waste catalogue**

15 01 02	plastic packaging
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· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA** Not applicable

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Not applicable

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Not applicable

· **14.4 Packing group**

· **ADR, IMDG, IATA** Not applicable

· **14.5 Environmental hazards:**

· **Marine pollutant:** No.

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

Not classified as dangerous under transport regulations.

· **UN "Model Regulation":**

Not applicable

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

1907/2006/CE Regulation, REACH

1272/2008/CE Regulation, CLP

2020/878/UE Regulation

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 52a

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **REGULATION (EU) 2024/590 on substances that deplete the ozone layer**

- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.

· **Recommended restriction of use** Information in the appropriate technical data sheet of product.

· **Version number of previous version:** 1

· **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3

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Acute Tox. 4: Acute toxicity – Category 4
Skin Sens. 1B: Skin sensitisation – Category 1B
Asp. Tox. 1: Aspiration hazard – Category 1

· * **Data compared to the previous version altered.**

Points marked with * have changed from the previous version of the card

EU